

ABSTRACT

A liquid-cooling type cooling plate including at least one flat multi-bored tube, a substrate, and a cover plate. The substrate includes, at its upper surface, two header forming dented portions arranged apart from each other and a tube accommodating dented portion for accommodating the tube, the tube accommodating dented portion being formed between the header forming dented portions. An upper surface of the cover plate and/or a lower surface of the substrate is configured to be attached by a member to be cooled. The tube is accommodated in the tube accommodating dented portion and is disposed between the substrate and the cover plate. An opening of each header forming dented portion is closed by the cover plate, whereby two header portions are formed. The substrate, the tube, and the cover plate are integrally jointed.